

OXY-THERM[®] FHR

Dual-Fuel Oxygen Burners

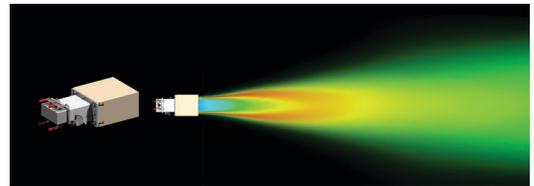
Be prepared for tomorrow's tighter emissions standards. The next generation in oxy-fuel technology, the OXY-THERM FHR burner uses patented staged oxygen design to provide improved radiant heat transfer in glass furnaces while significantly reducing NOx emissions and improving operational flexibility.

Performance Benefits

- Patented fuel nozzle design provides high aspect ratio flat flame for greater furnace coverage
- US Patent Number 9,851,099 - For Flat Fuel Nozzle Design
- Firing range of 0.5 – 24 MBtu/h
- Fuel savings of as much as 25% (gas) or 40% (oil) compared to air-fuel burners
- Produces the lowest NOx emissions in the industry

Operational Flexibility

- Four block sizes, custom gas and oil nozzles sized for each burner location
- Dual fuel capable: simply change the nozzle to change the fuel
- Change fuel type or burner capacity without replacing the housing assembly
- Adjustable oxygen staging to vary flame length, heat flux profile and radiant heat transfer
- US Patent Number 9,939,151 - For Staged Oxygen Design



OXY-THERM FHR Gas/Oil		S	M	L	XL
Maximum capacity range	MBtu/h	0.5 - 3.2	2.9-6.3	6.0-13.1	10.0-24.0
	MW	0.15-0.94	0.85-1.8	1.7-3.8	2.9-7.0

A Full Line of Oxy-Fuel Burners – Delivering clean combustion and fuel flexibility for high temperature applications.

OXY-THERM LE Gas or oil burner

OXY-THERM LE Natural Gas Burners provide the lowest NOx levels of any industrial oxygen/fuel burner, regardless of oxygen purity. NOx levels are up to 70% lower than conventional oxy-gas burners and up to 50% lower than conventional oxy-oil burners.

- Lowest NOx emissions with industry's first staged oxygen burner
- Fuel flexibility: converts quickly to gas or oil
- Patented design eliminates flame lofting

OXY-THERM Titan High capacity oxy burner

- provides a more compact flame profile and mounting design making it ideal for higher capacities in vertical fired applications
- Compact flame geometry
- Mounting and ignition flexibility for a wide range of applications

OXY-THERM Series 300 Gas burner

- Natural Gas Burners offer capacities up to 300,000 Btu/hr (88 kW) with choice of two block shapes
- Provides clean combustion with low NOx levels
- Uses oxygen for the combustion reaction, removing atmospheric nitrogen as a source for NOx creation
- Increased efficiency
- Available in round and square block options
- Easy installation and maintenance

For more information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Controls, Honeywell Combustion Safety, Honeywell Combustion Service, Eclipse, Exothermics, Hauck, Kromschröder and Maxon. To learn more about our products, visit ThermalSolutions.honeywell.com or contact your Honeywell Sales Engineer.

Honeywell Process Solutions

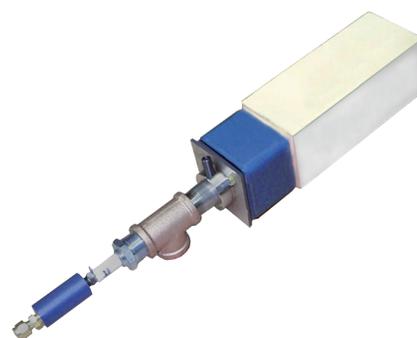
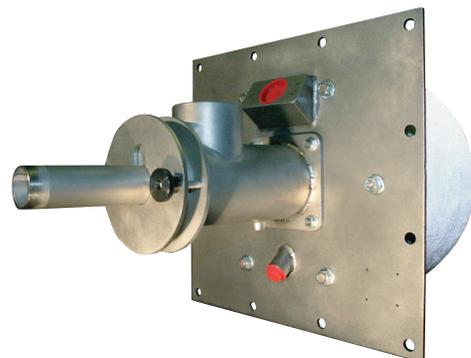
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We reserve the right to make technical modifications in the interests of progress.

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